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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference PAKIST021624	FOR FURTHER ACTION	ON SeeNotificationofTransmittalofInternationalPreliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date(day/mo	nth/year)	Priority date (day/month/year)		
PCT/KR2002/002456 27 DECEMBER 2002 (27.1)		002)	27 DECEMBER 2001 (27.12.2001)		
International Patent Classification (IPC) or national classification and IP(C	İ		
IPC7 B01J 20/26					
AC. 2020 20120					
Applicant					
KOREA INSTITUTE OF SCIENCE	AND TECHNOLOGY et al				
	avamination report has been prent	ared by this Inte	rnational Preliminary Examining Authority		
and is transmitted to the applica	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 				
	al of sheets, inclu	ding this cover sl	heet.		
This report is also assert	anguied by ANNEXES, i.e., sheets	of the description	on, claims and/or drawings which have been		
amended and are the basi	is for this report and/or sheets con	itaining rectificat	ions made before this Authority (see Rule		
70.16 and Section 607 of	the Administrative Instructions un	ider the PC1).			
These annexes consist of a total	al ofsheets.				
o mi a sustaine in direction	s relating to the following items:				
<u> </u>					
I X Basis of the repor	r t				
II Priority	0 1 1 11	inventive sten	and industrial applicability		
1 1 1	nt of opinion with regard to novelt	y, mvenuve step	and medical air approaching		
IV Lack of unity of			anting the second second conditions		
v X Reasoned statem	nent under Article 35(2) with regar lanations supporting such statemer	d to novelty, invent	entive step or industrial applicability;		
VI Certain documen					
· · · L	n the international application	/			
i	ions on the international applicatio	an .			
VIII Certain observati	ions on the international application				
		te of completion	of this report		
Date of submission of the demand			** *		
22 JULY 2003 (22.07.2003)		26 APRIL	2004 (26.04.2004)		
22 JULI 2003 (22.07.2003)					
Name and mailing address of the IP	EA/KR Au	thorized officer			
Korean Intellectual Property Office			ALE SOL		
920 Dunsan-dong, Seo- Republic of Korea	gu, Daejeon 302-701,	YANG, In So			
Facsimile No. 82-42-472-7140	· Te	lephone No. 82	42-481-5567		





international	aplication No.

PCT/KR2002/002456

I. Ba	asis of	the report		
ı. W	ith rega	ard to the elements of the international application:*		
X	the	international application as originally filed		
Ī		description:	, as originally filed	
		ges	, filed with the demand	
		ges, filed with the letter of		
	_	claims:	, as originally filed	
Ļ	_	ges, as amended (together with any	statment) under Article 19	
	pa	ges, as unionated (regered)	, filed with the demand	
	pa	ges, filed with the letter of		
Г		o drowings.		
ֿ <u>'</u>	pa	ges	_ , as originally filed , filed with the demand	
	pa	ges filed with the letter of		
lr		and a control of the		
1	pa	ages	, as originally filed , filed with the demand	
1		ages, filed with the letter of	y =	
2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language				
	international applicationas as filed has been furinshed. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.			
4.		The amendments have resulted in the cancellation of:		
		the description, pages		
		the claims, Nos.		
		the drawings, sheet		
5.		This report has been established as if (some of) the amendments had not been made, sin go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**	ce they have been considered to	
*	in thi	scement sheets which have been furnished to the receiving Office in response to an invitation s opinion as "originally filed." and are not annexed to this report since they do not conta 0.17).	under Article 14 are referred to in amendments (Rules 70.16	
•	* Any i	replacement sheet containing such amendments must be referred to under item I and annexe	d to this report.	



 $7 \sim 29$

 $1 \sim 29$

International aplication No.
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NO

YES

МO

V.	V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement Novelty (N)	Claims	7~29	YES	
	Inventive step (IS)	Claims Claims	1~6	NO YES	

2. Citations and explanations (Rule 70.7)

Industrial applicability (IA)

1. Reference is made to the following document:

Claims

Claims

Claims

D1 = US 6080797 (27 June 2000)

- 2. Claim 1 relates to a dehumidifying element comprising a superabsorbing polymer (SAP) and a hygroscopic salt. Claim 2 relates to the dehumidifying element of claim 1, wherein the SAP is cross-linked. Claim 3 relates to relates to the dehumidifying element of claim 1, wherein the SAP takes a granular form and is contacted with the hygroscopic salt. Claim 4 relates to the dehumidifying element of claim 1, wherein the maximum particle diameter of the granules is 1000μ m. Claim 5 relates to the dehumidifying element of claim 1, wherein the SAP is formed in fibers or filaments. Claim 6 relates to the dehumidifying element of claim 1, wherein the SAP includes a polymer and/or copolymer in which acryl acid or acrylamide is cross-linked, propfpolymer of starch, a cross-linked amylum derivative, and/or a cellulose derivative. The dehumidifying element according to said claims is disclosed in document D1 (column 2, line 29 to column 11, line 67), which relates to a porous dehumidifying polypolymer and a method for manufacturing the same.
- 3. The dehumidifying element according to claims 7-18 can be readily derived by a person skilled in the art from D1.
- 4. The method for fabricating a dehumidifying element according to claims 19-29 also can be readily derived from the disclosure of D1 (below column 2, line 35).